

ABSTRACT

Methods are provided for fabricating high density oligonucleotide arrays with activators. According to the disclosed methods for preparing high density oligonucleotide arrays on a solid support, the following steps are provided: a) providing a solid support having a surface comprising functional groups; b) attaching an activated nucleotide to a functional group in the presence of an activator; c) repeating the step of attaching an activated nucleotide to form an oligonucleotide array having at least 100 different oligonucleotides /cm².